FIG. 1

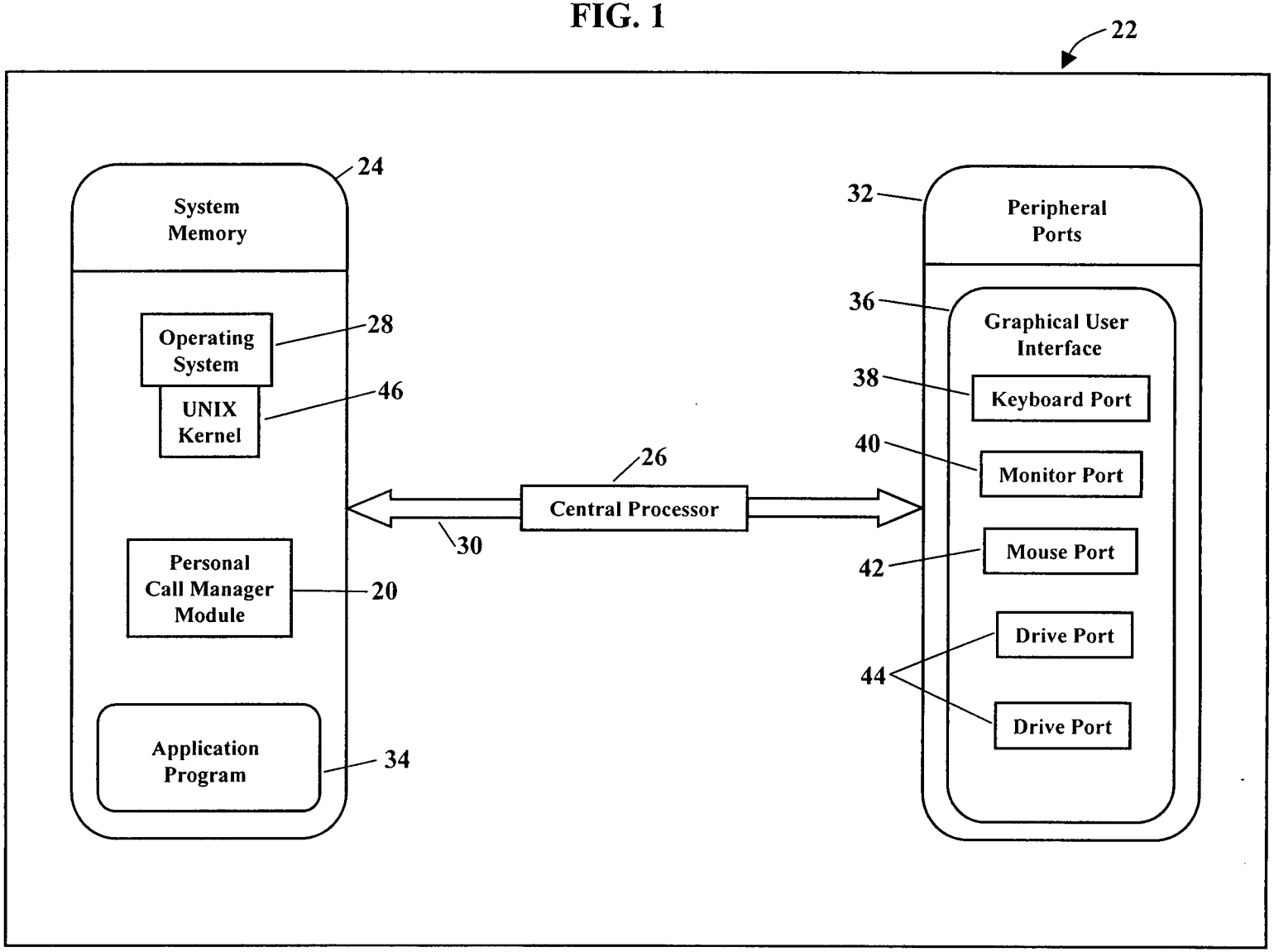
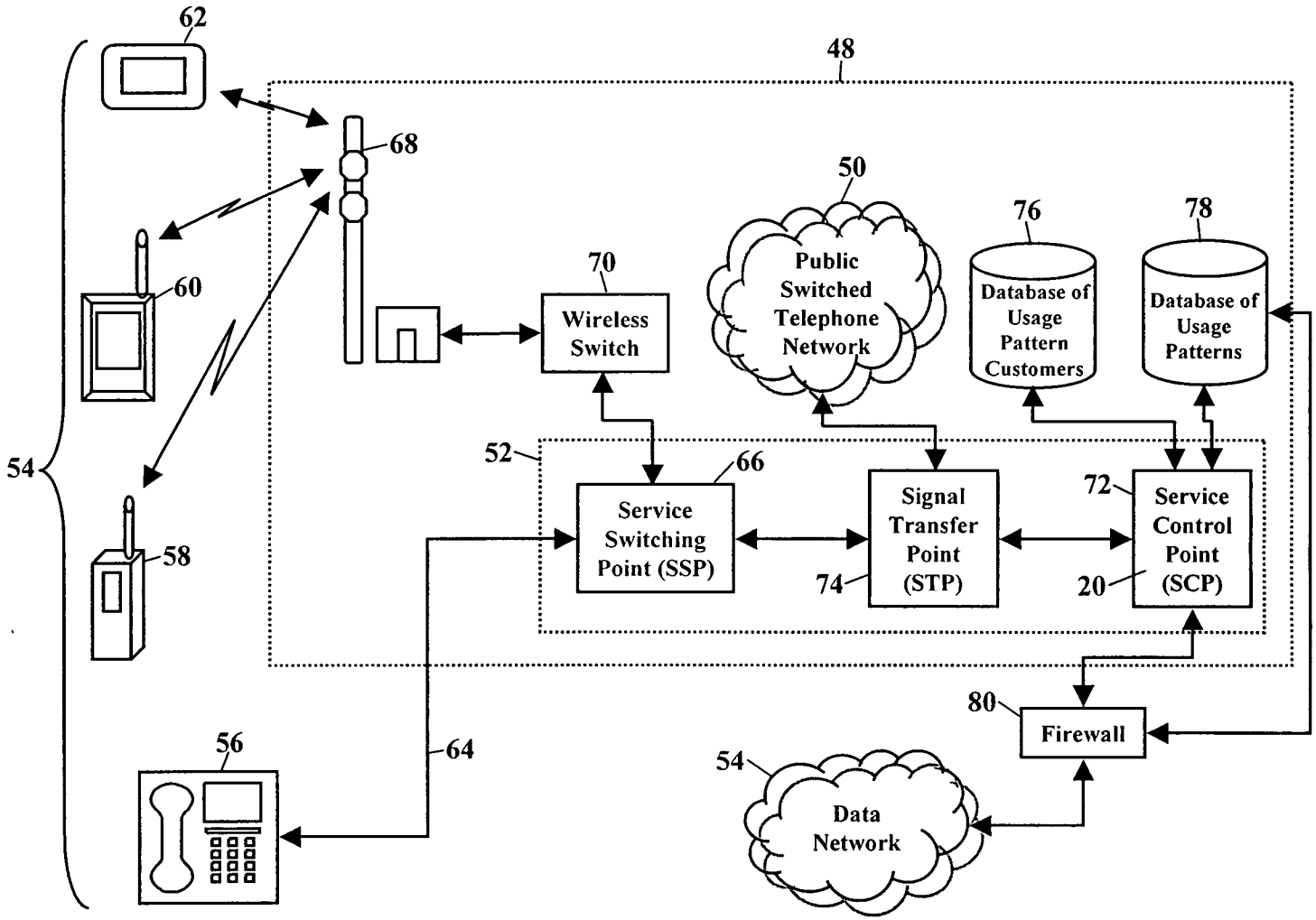
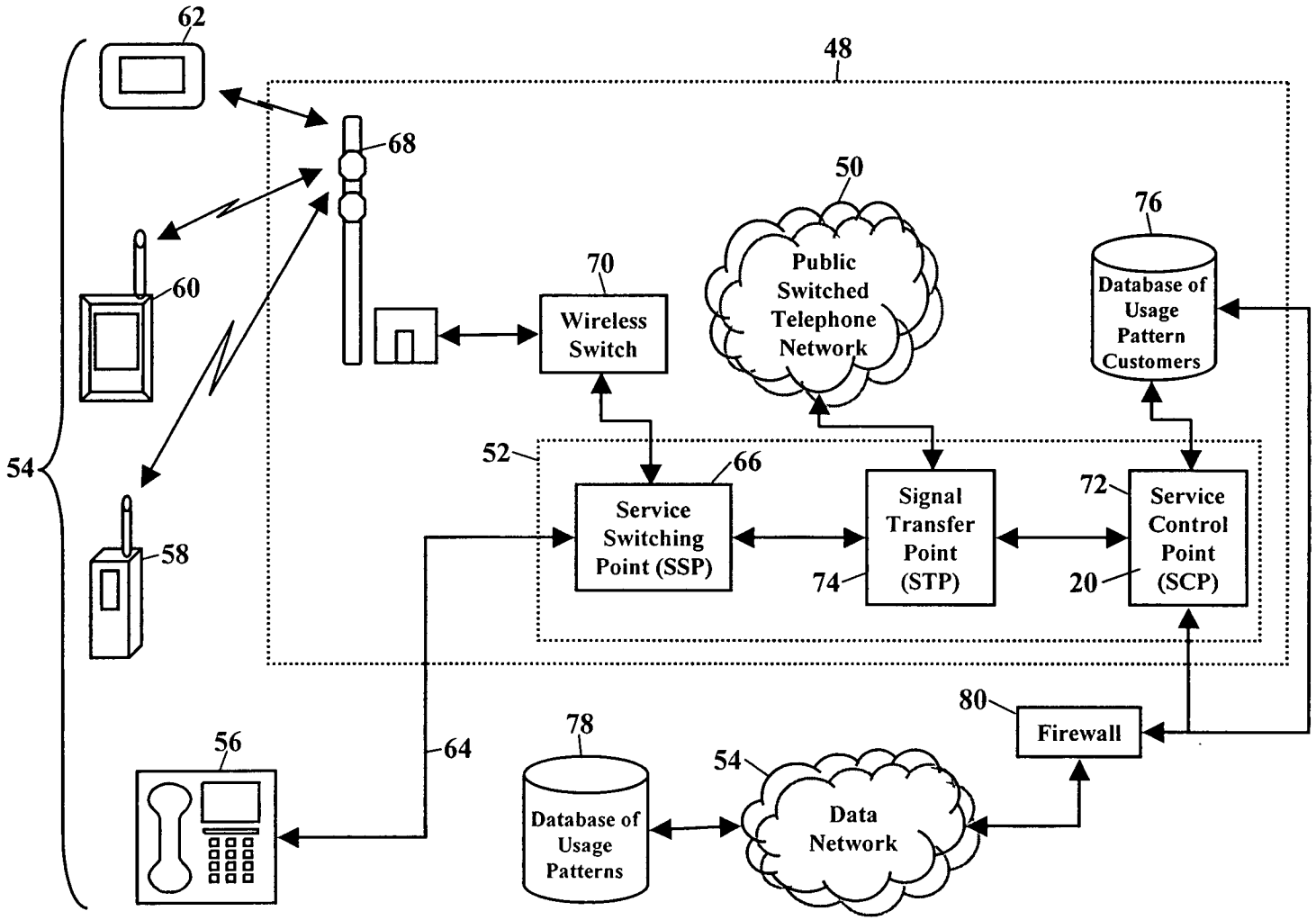

22
24
System Memory
Operating System
28
UNIX Kernel
46
Personal Call Manager Module
20
Application Program
34
26
Central Processor
30
32
Peripheral Ports
36
Graphical User Interface
38
Keyboard Port
40
Monitor Port
42
Mouse Port
44
Drive Port
Drive Port

FIG. 2


62
48
68
50
76
78
60
70
Public Switched Telephone Network
Database of Usage Pattern Customers
Database of Usage Patterns
Wireless Switch
54
52
66
72
Service Switching Point (SSP)
Signal Transfer Point (STP)
Service Control Point (SCP)
58
74
20
80
Firewall
56
64
54
Data Network

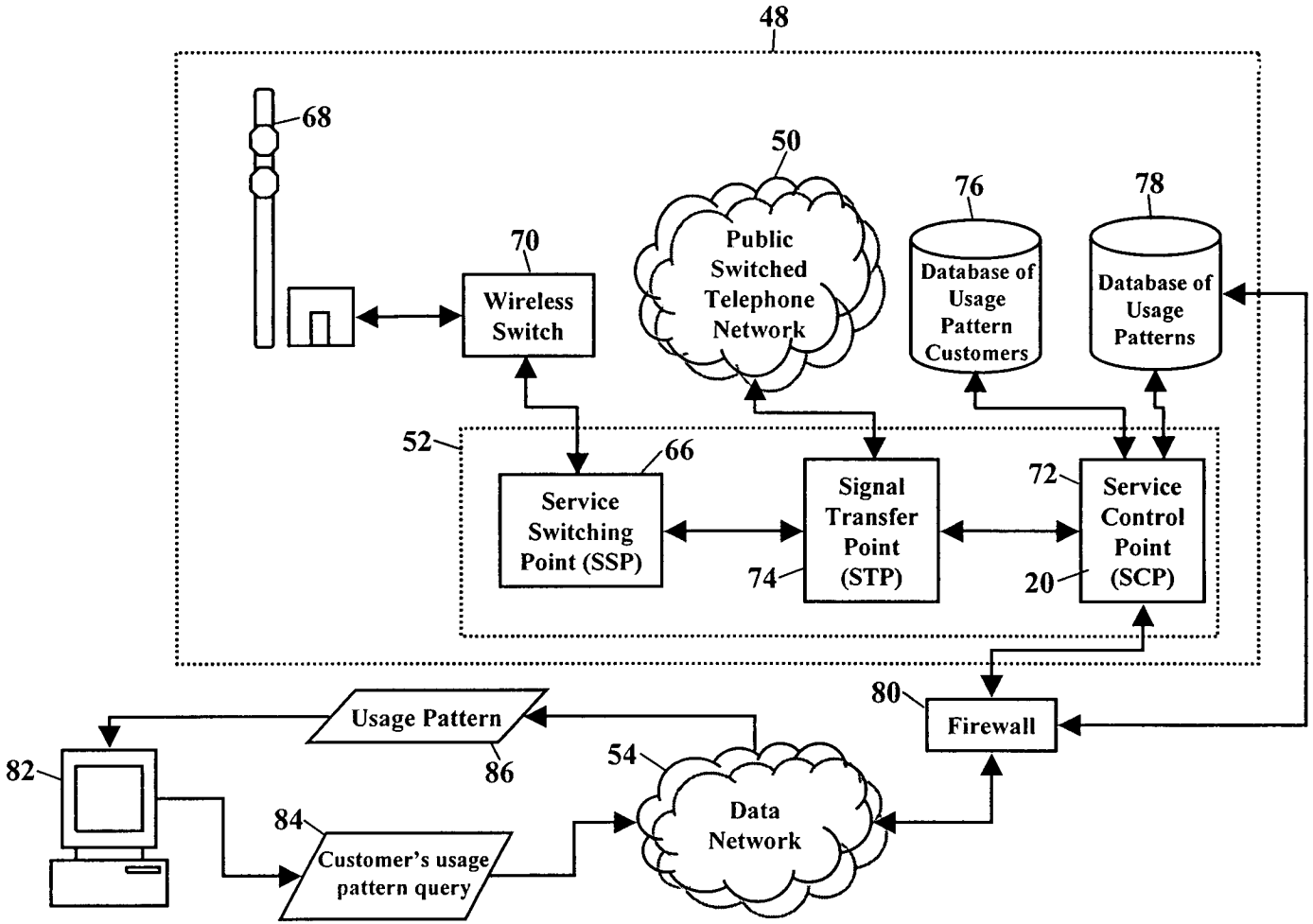
TO:230 2363660

FIG. 3



TO:239 22682660

FIG. 4



TOWER 22683660

FIG. 5

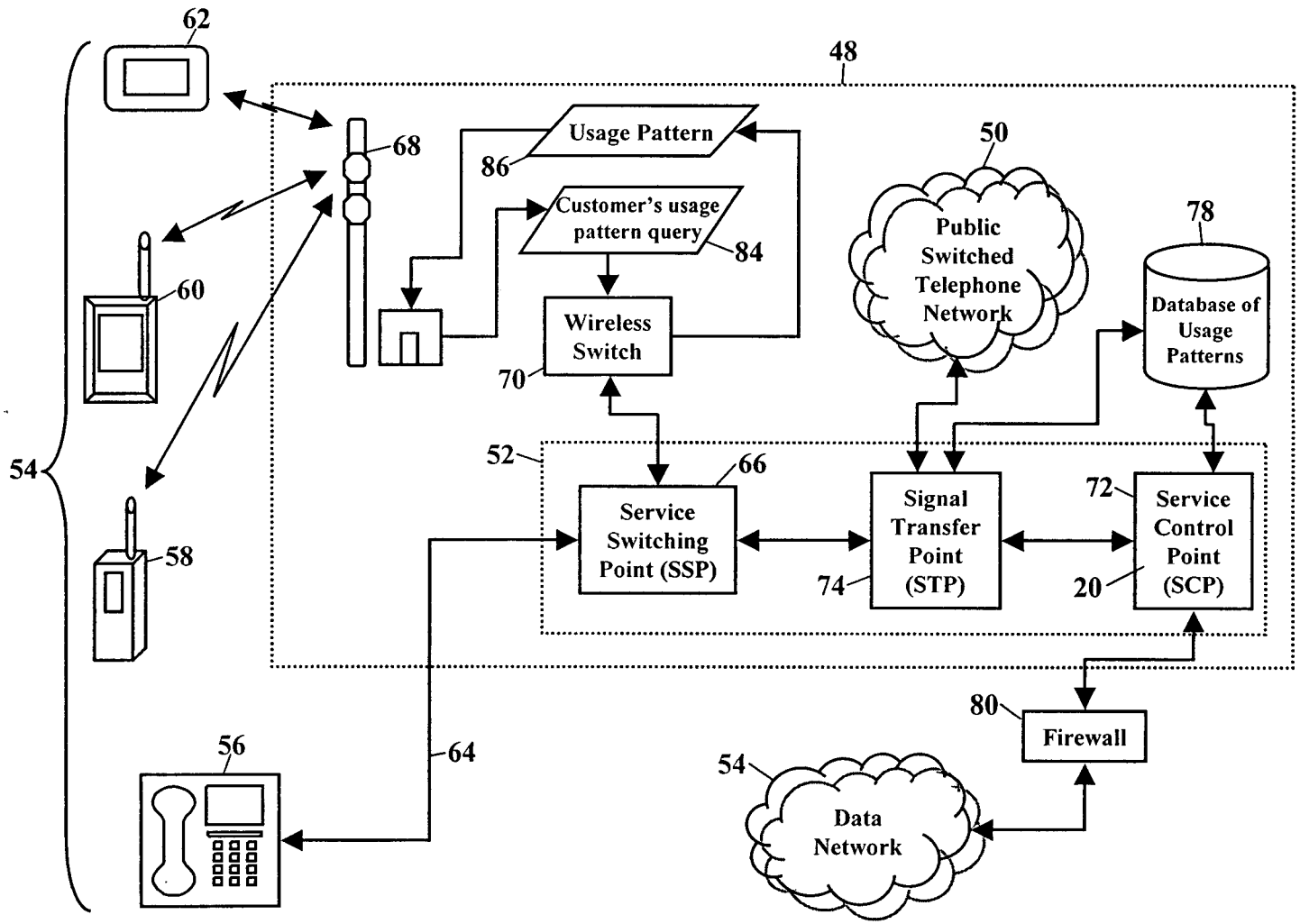


FIG. 6

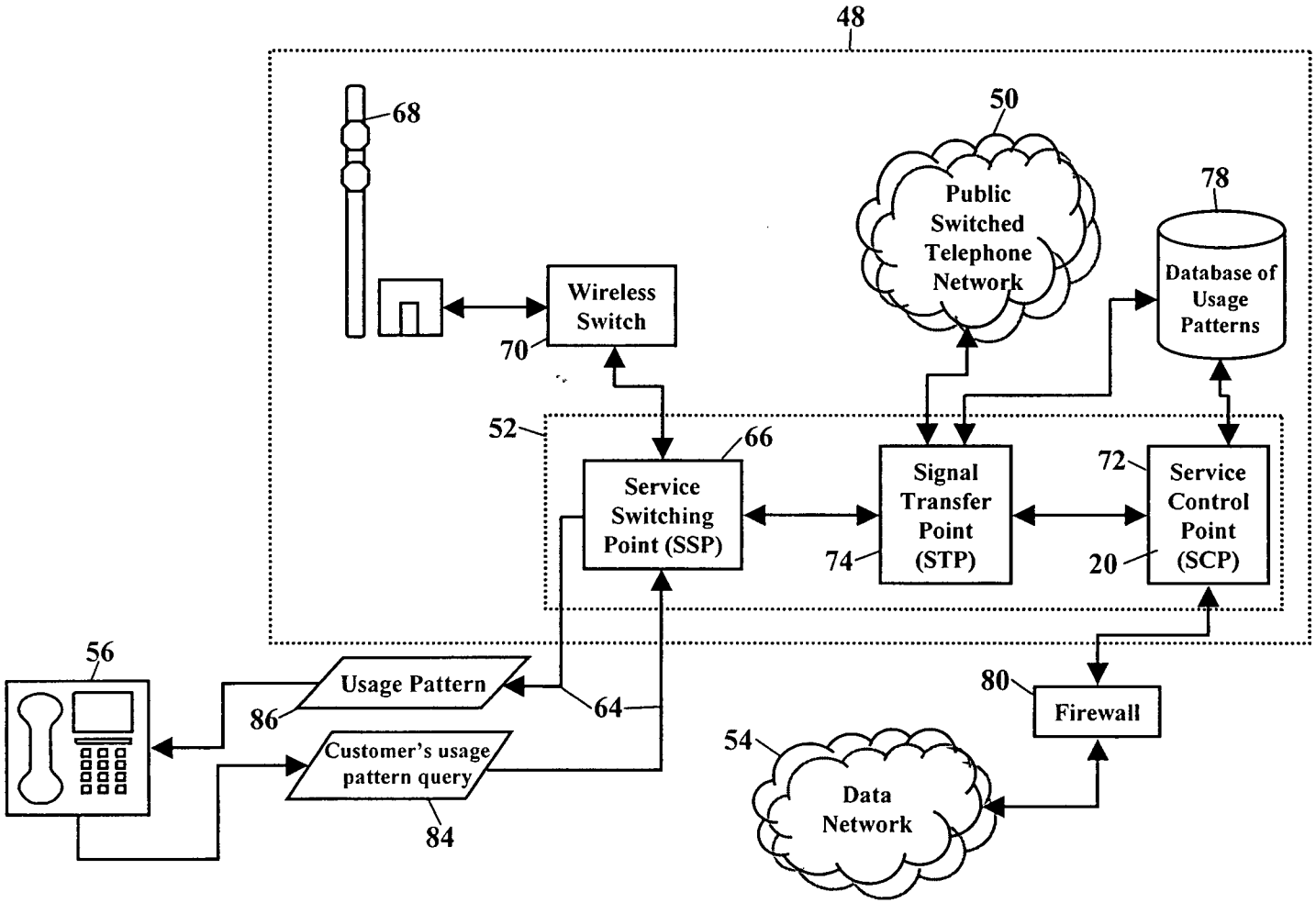

48
68
50
Public Switched Telephone Network
78
Database of Usage Patterns
Wireless Switch
70
52
66
Service Switching Point (SSP)
Signal Transfer Point (STP)
74
72
Service Control Point (SCP)
20
56
Usage Pattern
86
64
Customer's usage pattern query
84
80
Firewall
54
Data Network

FIG. 7

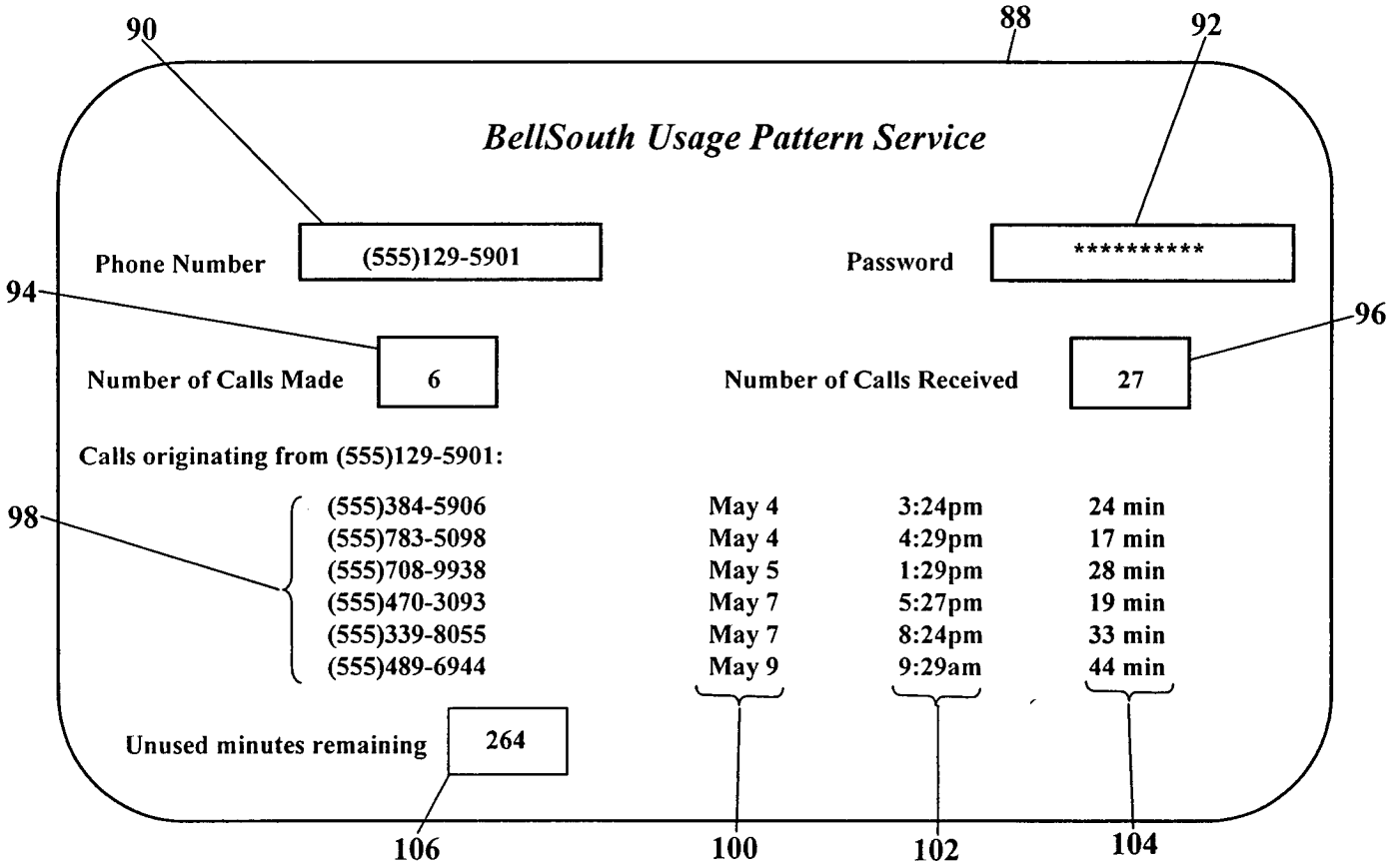

90
88
92
BellSouth Usage Pattern Service
Phone Number
(555)129-5901
Password
****
94
96
Number of Calls Made
6
Number of Calls Received
27
Calls originating from (555)129-5901:
98
(555)384-5906 May 4 3:24pm 24 min
(555)783-5098 May 4 4:29pm 17 min
(555)708-9938 May 5 1:29pm 28 min
(555)470-3093 May 7 5:27pm 19 min
(555)339-8055 May 7 8:24pm 33 min
(555)489-6944 May 9 9:29am 44 min
Unused minutes remaining
264
106
100
102
104

FIG. 8

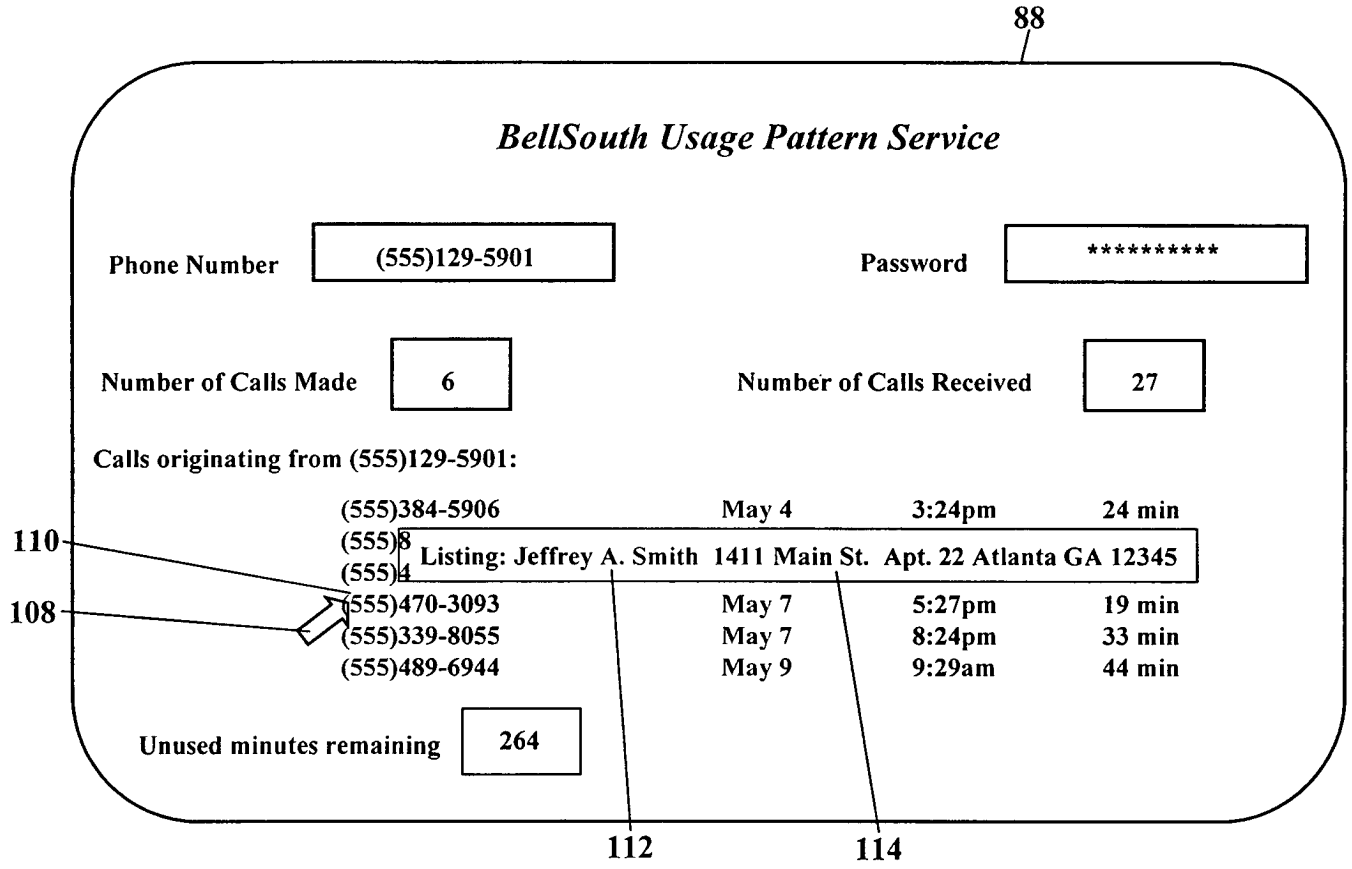

88
BellSouth Usage Pattern Service
Phone Number
(555)129-5901
Password
****
Number of Calls Made
6
Number of Calls Received
27
Calls originating from (555)129-5901:
(555)384-5906 May 4 3:24pm 24 min
(555)8
(555)4
Listing: Jeffrey A. Smith 1411 Main St. Apt. 22 Atlanta GA 12345
(555)470-3093 May 7 5:27pm 19 min
(555)339-8055 May 7 8:24pm 33 min
(555)489-6944 May 9 9:29am 44 min
Unused minutes remaining
264
110
108
112
114

FIG. 9

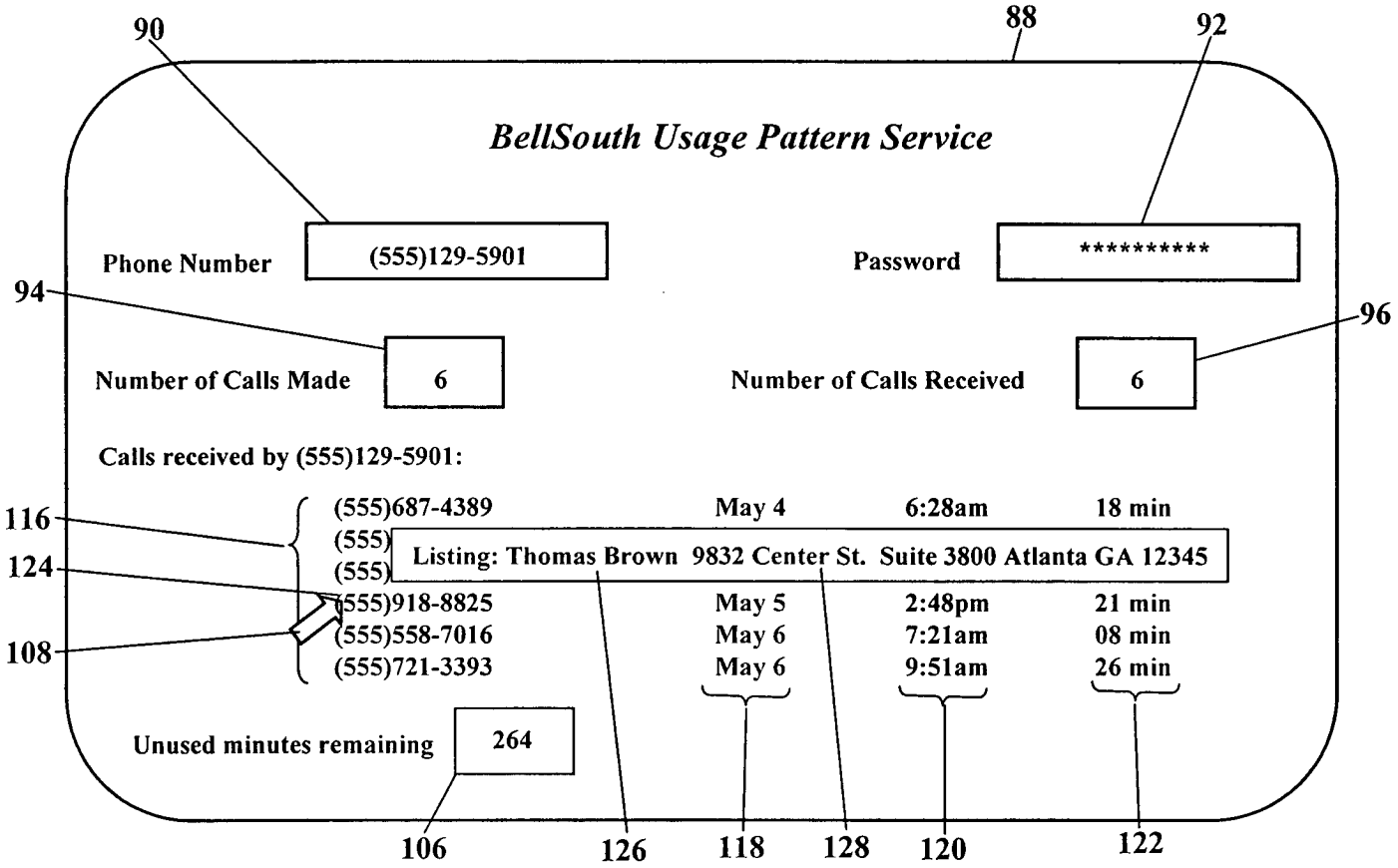
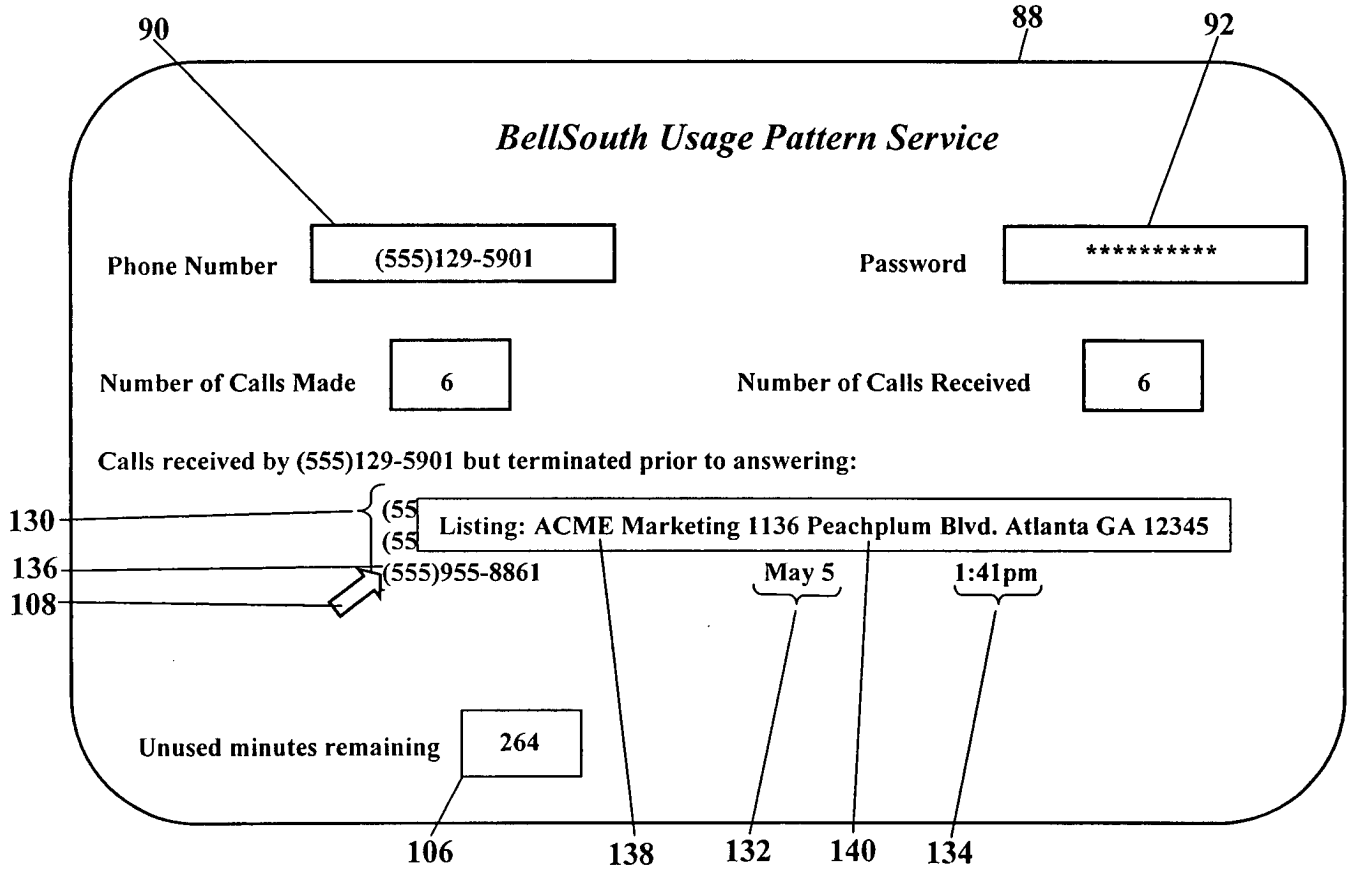

90
88
92
BellSouth Usage Pattern Service
Phone Number
(555)129-5901
Password
****
94
96
Number of Calls Made
6
Number of Calls Received
6
Calls received by (555)129-5901:
116
124
108
(555)687-4389 May 4 6:28am 18 min
(555)
(555)
Listing: Thomas Brown 9832 Center St. Suite 3800 Atlanta GA 12345
(555)918-8825 May 5 2:48pm 21 min
(555)558-7016 May 6 7:21am 08 min
(555)721-3393 May 6 9:51am 26 min
Unused minutes remaining
264
106
126
118
128
120
122

FIG. 10


90
88
92
BellSouth Usage Pattern Service
Phone Number
(555)129-5901
Password
****
Number of Calls Made
6
Number of Calls Received
6
Calls received by (555)129-5901 but terminated prior to answering:
130
136
108
(55
(55
Listing: ACME Marketing 1136 Peachplum Blvd. Atlanta GA 12345
(555)955-8861
May 5
1:41pm
Unused minutes remaining
264
106
138
132
140
134

T0:230 2368560

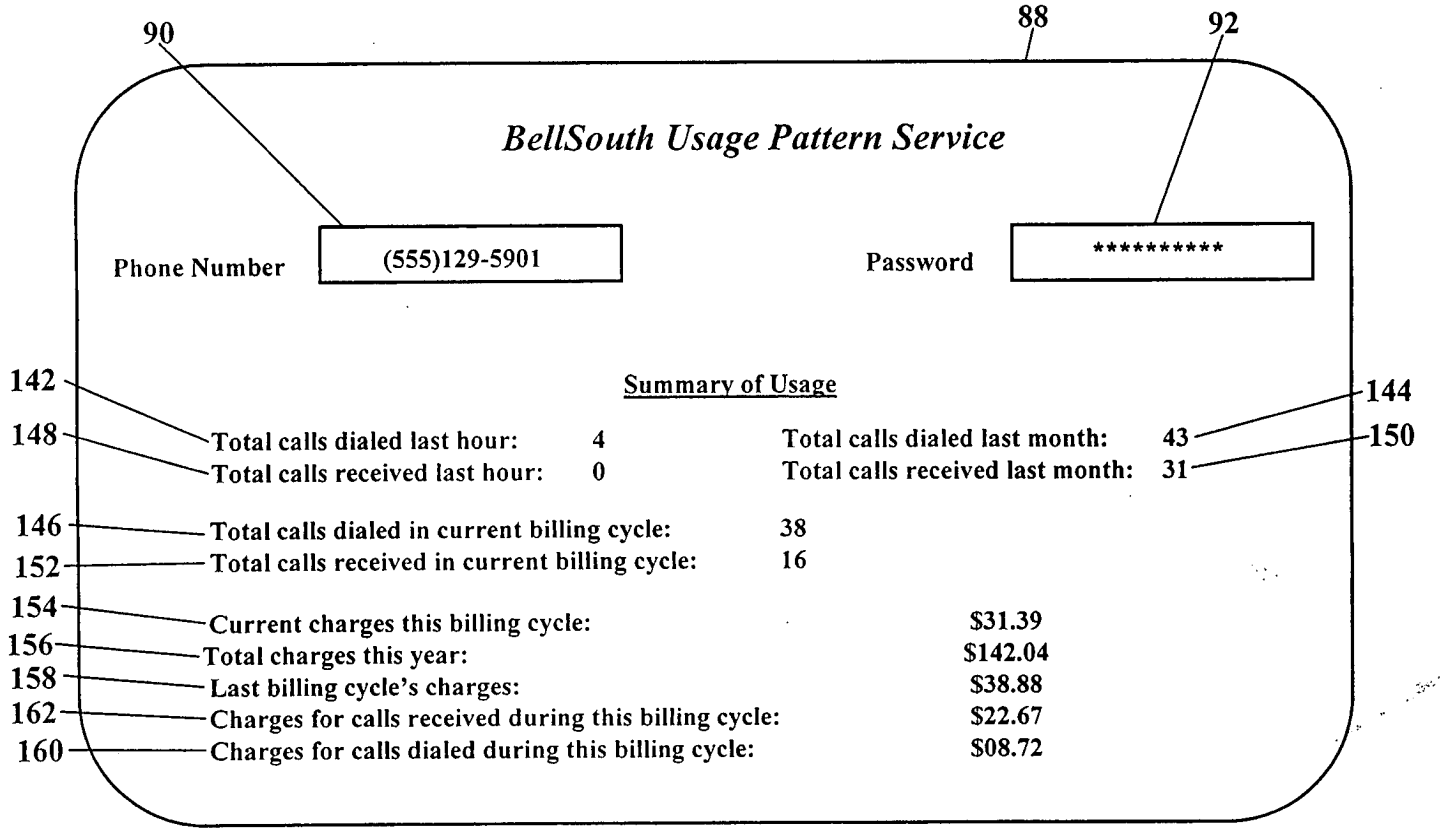



FIG. 11